

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

1-24. (Cancelled)

25. (Currently amended) A composition, A recombinant botulinum toxin comprising

a soluble recombinant botulinum toxin protein comprising a C-terminal portion of a heavy chain of a botulinum toxin serotype selected from the group consisting of botulinum toxin types B, C₁, D, E, F or and G, the C-terminal portion including a botulinum toxin receptor binding domain and being produced in soluble form in aerobic bacteria and obtained therefrom without Clostridial botulinum neurotoxin complex proteins heavy chain, an N-terminal portion of a botulinum toxin types B, C₁, D, E, F or G heavy chain and a botulinum toxin types B, C₁, D, E, F or G light chain.

26. (Currently amended) The recombinant toxin composition of claim 25 wherein the C-terminal portion comprises at least a portion of an amino acid sequence selected from the group consisting SEQ ID NO: 44, 46, 60, 62, 68, 50, 52, 73, 77 and 79.

27. (Currently amended) The recombinant toxin composition of claim 25 wherein the botulinum toxin protein further comprises ~~further comprising~~ a non-toxin protein sequence.

28. (Currently amended) The ~~recombinant toxin~~ composition of claim 25 wherein the toxin is in ~~[[a]]~~ solution.

29. (Currently amended) The ~~recombinant toxin~~ composition of claim 25 wherein the protein is obtained from the aerobic bacteria as a single polypeptide chain ~~C-terminal portion and the N-terminal portion are bonded together.~~

30. (Currently amended) The composition of claim 25, wherein the C-terminal portion is coupled to a poly-histidine tract ~~recombinant toxin of claim 29 wherein the bond is a covalent bond.~~

31. (Currently amended) The ~~recombinant toxin~~ composition of claim 25 wherein the composition is a lysate obtained from E. coli bacteria ~~light chain is bonded to the C-terminal portion~~ ~~[[or]] the N-terminal portion.~~